

SULFUR OXIDE SORPTION WITH LAYERED CHLORITE-TYPE CONTACT SOLIDS

ABSTRACT

Chlorite-like phyllosilicate materials are found useful as SO_x sorbents. A novel process of sulfur oxide sorption is provided utilizing these layered materials as contact solids. Typical industrial applications include sulfur removal from fluid catalyst cracking process, cold-side combustion gas sulfur abatement and cleaner coal gasification.